

What is claimed is:

1. A data record medium having a plurality of record areas in which data is recorded, comprising:

5 a first record area for recording addresses in a first addressing system; and

a second record area for recording addresses in a second addressing system that is different from the first addressing system,

10 wherein when one of the first addressing system and the second addressing system is converted into the other addressing system, addresses are assigned non-redundantly in said first record area and said second record area.

15 2. The data record medium as set forth in claim 1,

wherein when one of the first addressing system and the second addressing system is converted into the other addressing system, addresses are successively assigned between said first record area and said second record area.

20 3. The data record medium as set forth in claim 1,

25 wherein said first record area and said second record area are adjacently formed with a non-record area.

4. The data record medium as set forth in claim 1,

wherein when one of the first addressing system and the second addressing system is converted into the other addressing system, there is a difference corresponding to the non-record area between addresses of said first record area and said second record area.

5. The data record medium as set forth in claim 1,

wherein in the first addressing system, each digit of minute, second, and frame is represented in BCD notation, and

wherein in the second addressing system, each digit of hour, minute, second, and frame is represented in BCD notation.

6. The data record medium as set forth in claim 1,

wherein in the first addressing system, each digit of minute, second, and frame is represented in BCD notation, and

wherein in the second addressing system, addresses are represented in binary notation.

7. The data record medium as set forth in claim 1,

wherein each of said first record area and said second record area is a program area surrounded by a lead-in area and a lead-out area.

8. The data record medium as set forth in claim 1,

wherein the record density of said first record area is different from the record density of said second record area.

5 9. A data recording method for recoding data on a data record medium whose record area is divided into at least a first record area and a second record area, comprising the steps of:

recording first data to the first record area in a first addressing system; and

10 recording second data to the second record area in a second addressing system,

15 wherein when one of the first addressing system and the second addressing system is converted into the other addressing system, addresses are recorded non-redundantly in the first record area and the second record area.

20 10. A data recording apparatus for recoding data on a data record medium whose record area is divided into at least a first record area and a second record area, comprising:

recording means for recording first data to the first record area in a first addressing system and for recording second data to the second record area in a second addressing system; and

25 controlling means for causing addresses to be recorded non-redundantly in the first record area and the second record area when one of the first addressing

system and the second addressing system is converted into the other addressing system.

11. The data recording apparatus as set forth in claim 10,

5 wherein the data record medium has a non-record portion surrounded by the first record area and the second record area.

12. The data recording apparatus as set forth in claim 11,

10 wherein said controlling means is configured for causing a difference corresponding to the non-record area to take place between addresses of said first record area and said second record area when one of the first addressing system and the second addressing system is converted into the other addressing system.

13. The data recording apparatus as set forth in claim 10,

20 wherein in the first addressing system, each digit of minute, second, and frame is represented in BCD notation, and

wherein in the second addressing system, each digit of hour, minute, second, and frame is represented in BCD notation.

25 14. The data recording apparatus as set forth in claim 10,

wherein in the first addressing system, each

digit of minute, second, and frame is represented in BCD notation, and

wherein in the second addressing system, addresses are represented in binary notation.

5 15. An accessing method for accessing a data record medium divided into at least a first record area and a second record area, addresses being recorded to the first record area in a first addressing system, addresses being recorded to the second record area in a
10 second addressing system that is different from the first addressing system, when one of the first addressing system and the second addressing system is converted into the other addressing system, addresses being assigned non-redundantly in the first record area and the second record area, comprising the steps of:

15 reproducing an address of the data record medium;

20 converting the reproduced address into one of the first addressing system and the second addressing system; and

accessing a desired position corresponding to the converted address.

25 16. An accessing apparatus for accessing a data record medium divided into at least a first record area and a second record area, addresses being recorded to the first record area in a first addressing system, addresses being recorded to the second record area in a

second addressing system that is different from the first addressing system, when one of the first addressing system and the second addressing system is converted into the other addressing system, addresses being assigned non-redundantly in the first record area and the second record area, comprising:

reproducing means for reproducing an address of the data record medium; and

controlling means for converting the reproduced address into one of the first addressing system and the second addressing system and accessing a desired position corresponding to the converted address.